



## Product Information Packet

# SUM70304SM

3HP,1750RPM,3PH,60HZ,180TY,TENV,FOOTLES

| Part Detail |    |             |               |             |            |               |            |
|-------------|----|-------------|---------------|-------------|------------|---------------|------------|
| Revision:   | -  | Status:     | PRD/A         | Change #:   |            | Proprietary:  | No         |
| Type:       | AC | Elec. Spec: | E02260K AR016 | CD Diagram: | 416820-001 | Mfg Plant:    |            |
| Mech. Spec: |    | Layout:     | 066930-501    | Poles:      | 04         | Created Date: | 04-09-2015 |
| Base:       |    | Eff. Date:  | 04-13-2015    | Leads:      |            |               |            |

| Specs                |                         |                           |                            |
|----------------------|-------------------------|---------------------------|----------------------------|
| Catalog Number:      | SUM70304SM              | Duty Rating:              | 15 MIN                     |
| Enclosure:           | XPNV                    | Heater Indicator:         | No Heater                  |
| Frame:               | 180TY                   | Insulation Class:         | F                          |
| Frame Material:      | Iron                    | Inverter Code:            | Inverter Ready             |
| Output @ Frequency:  | 3.000 @ 60 HZ           | KVA Code:                 | J                          |
| Voltage @ Frequency: | 230 V @ 60 HZ           | Lifting Lugs:             | Vertical Lifting Lugs      |
|                      | 460 V @ 60 HZ           | Motor Type:               | M                          |
| XP Class and Group:  | CLI GP C,D              | Mounting Arrangement:     | V1                         |
| XP Division:         | Division I              | Product Family:           | Other                      |
| Agency Approvals:    | CCSA US                 | Pulley End Bearing Type:  | Ball                       |
|                      | CSA                     | Pulley Face Code:         | P-Base                     |
|                      | UL                      | Shaft Rotation:           | Reversible                 |
| Base Indicator:      | No Mounting             | Shaft Slinger Indicator:  | No Slinger                 |
| Bearing Grease Type: | Polyrex EM (-20F +300F) | Speed Code:               | Single Speed               |
| Current @ Voltage:   | 4.40 A @ 460 V          | Motor Standards:          | NEMA                       |
|                      | 8.80 A @ 230 V          | Starting Method:          | Direct on line             |
| Design Code:         | B                       | Thermal Device - Winding: | Normally Closed Thermostat |
| Drip Cover:          | No Drip Cover           | XP Temp Code:             | T3C                        |

|                       |       |                          |
|-----------------------|-------|--------------------------|
| Nameplate 000613007AC |       |                          |
| CLASS I GROUP         | C D X | NO. <input type="text"/> |
| CLASS II GROUP        | X X X |                          |
| OPERATING TEMP CODE   | T3C   |                          |
|                       |       |                          |

|             |                              |               |           |                           |          |              |    |    |      |
|-------------|------------------------------|---------------|-----------|---------------------------|----------|--------------|----|----|------|
| CAT NO      | SUM70304SM                   | SPEC NO.      | P18G2794  |                           |          |              |    |    |      |
| HP          | 3                            | AMPS          | 8.80/4.40 | VOLTS                     | 230/ 460 | DESIGN       | B  |    |      |
| FRAME SIZE  | X180TY                       | RPM           | 1750      | HZ                        | 60       | AMB          | 40 | SF | 1.15 |
| D.E. BRG.   | 50BC02JPP30A                 | PH            | 3         | DUTY                      | *        | INSUL        | F  |    |      |
| O.D.E. BRG. | 25BC02JPG30A                 | TYPE          | P         | ENCL                      | TENV     | CODE         | J  |    |      |
|             |                              | POWER FACTOR  |           | NEMA NOM/CSA QUOTED EFF @ |          | NEMA-NOM-EFF |    |    |      |
|             |                              | MAX CORR KVAR |           | MOTOR WEIGHT              | 225      | LBS.         |    |    |      |
| SER.NO.     |                              |               |           |                           |          |              |    |    |      |
|             | *15 MIN IN AIR ;SUB.IN       |               |           |                           |          |              |    |    |      |
|             | WATER/SEWAGE FINAL CONN@230V |               |           |                           |          |              |    |    |      |
|             | SEE MANUAL FOR MAXDEPTH;     |               |           |                           |          |              |    |    |      |
|             | GUARANTEED EFFICIENCY        |               |           |                           |          |              |    |    |      |
|             | 100% LOAD                    |               |           |                           |          |              |    |    |      |

|             |                              |               |           |                           |          |              |    |    |      |
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| SER.NO.     |                              |               |           |                           |          |              |    |    |      |
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|             | WATER/SEWAGE FINAL CONN@230V |               |           |                           |          |              |    |    |      |
|             | SEE MANUAL FOR MAXDEPTH;     |               |           |                           |          |              |    |    |      |
|             | GUARANTEED EFFICIENCY        |               |           |                           |          |              |    |    |      |
|             | 100% LOAD                    |               |           |                           |          |              |    |    |      |

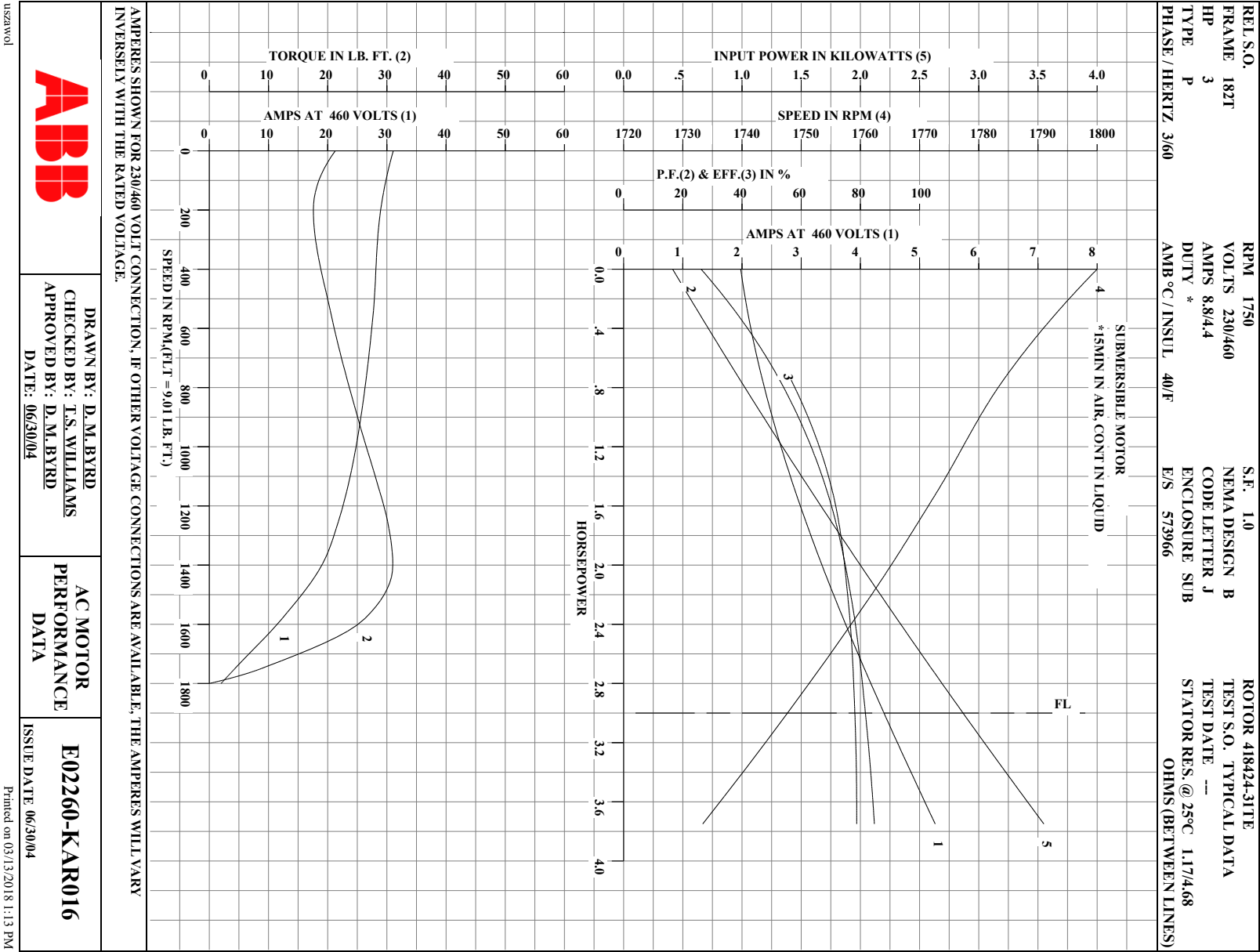
| Parts List  |                                      |          |
|-------------|--------------------------------------|----------|
| Part Number | Description                          | Quantity |
| SA297457    | SA P18G2794                          | 1.000 EA |
| RA284426    | RA P18G2794                          | 1.000 EA |
| 000613007AC | UL NAMEPLATE FOR HAZARDOUS LOCATIONS | 1.000 EA |
| 000613007MN | NP,MEDIUM AC,NO CERT,STD INDUSTRIAL  | 1.000 EA |
| 000613007MR | NP, MEDIUM AC, CSA, STD INDUSTRIAL   | 1.000 EA |
| 000692000EJ | NAME PLATE                           | 1.000 EA |
| 000901001AA | LABEL WARNING                        | 1.000 EA |
| 001575000A  | WIRING DIAGRAM                       | 1.000 EA |
| 424476003WB | WIRING DIAGRAM MEDIUMA               | 1.000 EA |
| 034692002AE | HCSPP 1/4" 304 S.S.                  | 1.000 EA |
| 004824015A  | GREASE POLYREX EM                    | 0.100 LB |
| 032018010CG | HHCS 3/8-16X1-1/4L 316SS             | 4.000 EA |
| 032130008CC | HSHCS 3/8-16 X 1.00" L               | 4.000 EA |
| 032620020JD | HSSS 10-24X5/8L 304S.S.              | 1.000 EA |
| 047174005B  | SNAP RING                            | 1.000 EA |
| 047174005C  | SNAP RING                            | 1.000 EA |
| 064262012B  | SEAL                                 | 1.000 EA |
| 064262012C  | SEAL                                 | 1.000 EA |
| 088204001AA | BRKT,DE,180SUB 88204-1WA             | 1.000 EA |
| 088205002A  | SUB PLT 180 88205-2WCB               | 1.000 EA |
| 413412004A  | SUBM MOISTURE PROBE                  | 2.000 EA |
| 413412005R  | LEAD WIRE ASSY(BLANKET               | 1.000 EA |
| 413480001R  | RESISTOR ASSEMBLY-BLANKET            | 1.000 EA |
| 421900124FU | ORING                                | 1.000 EA |

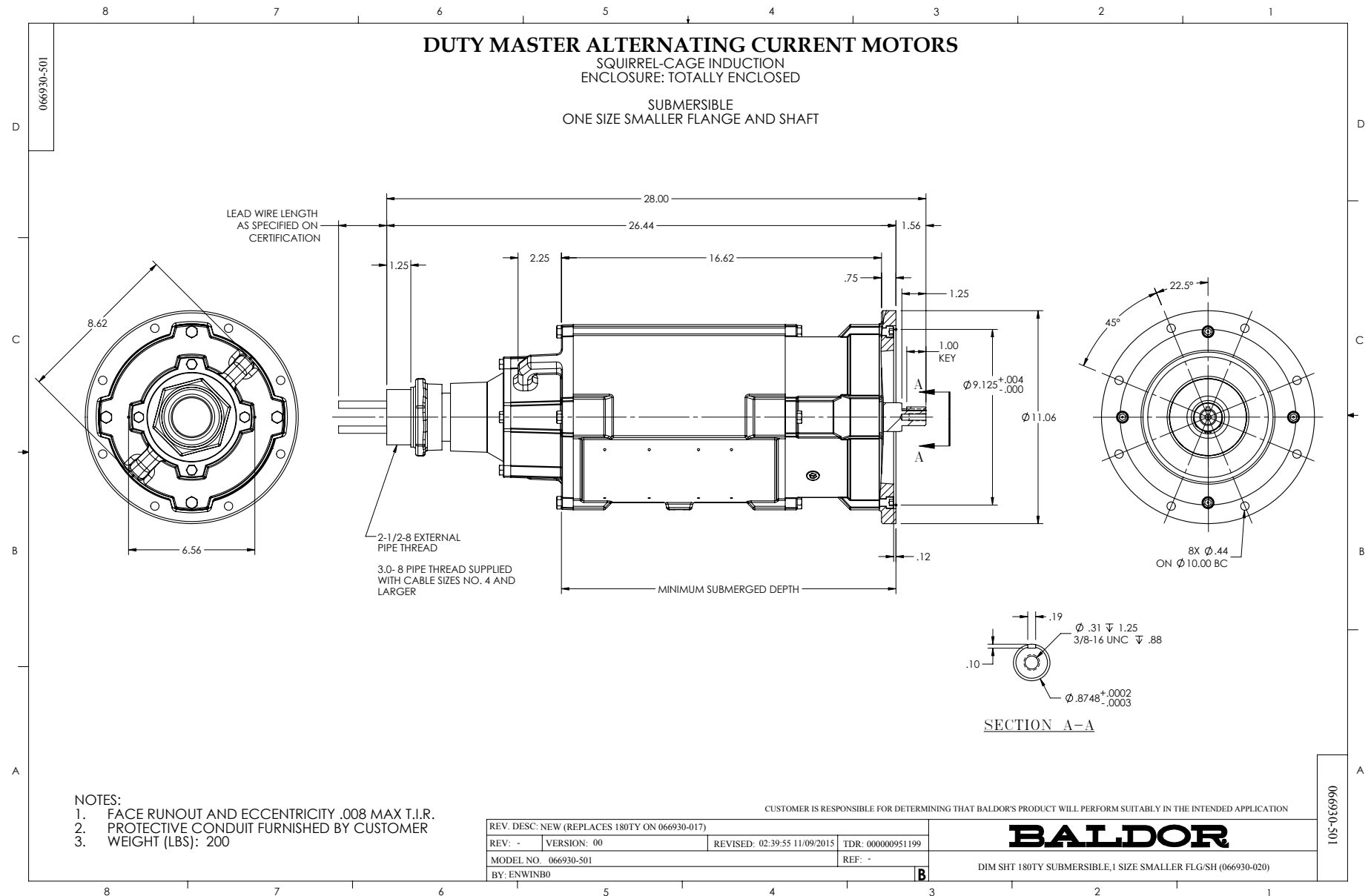
| Parts List (continued) |                           |          |
|------------------------|---------------------------|----------|
| Part Number            | Description               | Quantity |
| 421900124FU            | ORING                     | 1.000 EA |
| 603760001AA            | LABYRINTH                 | 1.000 EA |
| 032018006BM            | HHCS 5/16-18X3/4 PLTGRN.  | 1.000 EA |
| 032018006BM            | HHCS 5/16-18X3/4 PLTGRN.  | 1.000 EA |
| 032018008BG            | HHCS 5/16-18X1 BRASS-447  | 4.000 EA |
| 032080003JB            | HWHMS 10-24X3/8L PLTED    | 4.000 EA |
| 032080003LB            | HWHMS 1/4-20X3/8L PLTED   | 4.000 EA |
| 034036013AB            | LCKW 5/16 EXT.TOOTH LCKW  | 1.000 EA |
| 047024003AH            | T/LUG AMP 34112           | 4.000 EA |
| 047024003B             | T/LUG AMP 33218           | 9.000 EA |
| 415031017A             | NUT W/WASHER 10-24 C.PLT  | 4.000 EA |
| 415031017B             | NUT W/WASHER1/4-20 C.P    | 4.000 EA |
| 421900072FU            | ORING                     | 1.000 EA |
| 609181014D             | HEAT SHRINK TUBING 3/4    | 8.000 EA |
| 700385014E             | CCA #14 25' 180           | 1.000 EA |
| 004824007K             | SPECIAL PAINT             | 0.100 EA |
| 033775004EA            | DRSCR #6-1/4 304 S.S.     | 4.000 EA |
| 034180008CD            | 3/16 SQ. X 1IN. KEY       | 1.000 EA |
| 088203001AB            | BRKT,ODE,180SUB 88203-1WB | 1.000 EA |
| 421900124FU            | ORING                     | 1.000 EA |
| 004824018AF            | SHELL ROTELLA OIL 10W     | 1.500 LB |
| 032018006AG            | HHCS 1/4-20X3/4L 316 SS   | 3.000 EA |
| 032018010CG            | HHCS 3/8-16X1-1/4L 316SS  | 4.000 EA |
| 000901001AA            | LABEL WARNING             | 1.000 EA |

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|           |                        |          |
|-----------|------------------------|----------|
| B3630-9   | SUBM THERMOSTAT TAG    | 1.000 EA |
| B-3664002 | TAG, (NON REGREASABLE) | 1.000 EA |

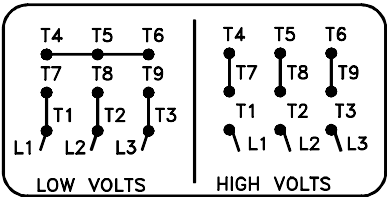
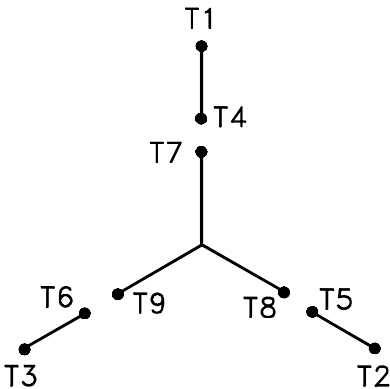
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416820-001

A-C MOTOR  
CONNECTION DIAGRAM  
STANDARD 9 LEAD Y CONNECTED



(N.P. 1575-A)

416820-001

|                                      |             |                              |                                                                                |
|--------------------------------------|-------------|------------------------------|--------------------------------------------------------------------------------|
| REV. DESC: LOADED TO BUS, C/R 335225 |             |                              | <b>BALDOR</b><br><br>CONN DIAG – STANDARD 9 LEAD, Y CONNECTED<br><br>SH 1 of 1 |
| REV. LTR: –                          | VERSION: 00 | TDR: 000000538207            |                                                                                |
| FILE: \MGA\00000\659                 |             | REVISED: 10:14:19 04/30/2010 |                                                                                |
| MTL: –                               |             | BY: RAGRA                    |                                                                                |